

From Cultural Heritage to Research Innovations: Digital Scholarship Services for a Changing University

Authors: Jere Odell (jdodell@iupui.edu), Jenny Johnson (jennajoh@iupui.edu), Heather Coates (hcoates@iupui.edu)

DIGITAL SCHOLARSHIP

Digital technologies are changing the character of research, scholarship and education. The IUPUI University Library **Center for Digital Scholarship** provides the IUPUI community with services and tools for sharing and managing digital scholarly assets, including but not limited to:

- published articles
- white papers
- conference presentations
- images
- artifacts
- reusable learning objects
- theses and dissertations
- historic texts
- datasets
- multimedia files



Gift by Eric Porcell
10" x 14.5" Western color print

BUILDING CULTURAL HERITAGE COLLECTIONS

The library/community connection has been organic, developing over time in varied directions with a goal of providing wide, free access to local historical resources, but with an open mind on how to best reach this goal in terms of production and funding. Since 2004, IUPUI University Library has partnered with over 26 community organizations to capture, preserve and provide access to digital artifacts.

Our success in these collaborative efforts is a result of openness to thinking innovatively about digital collection creation and levels of ownership (a community partner owns the original but IUPUI University Library supports the digital version).

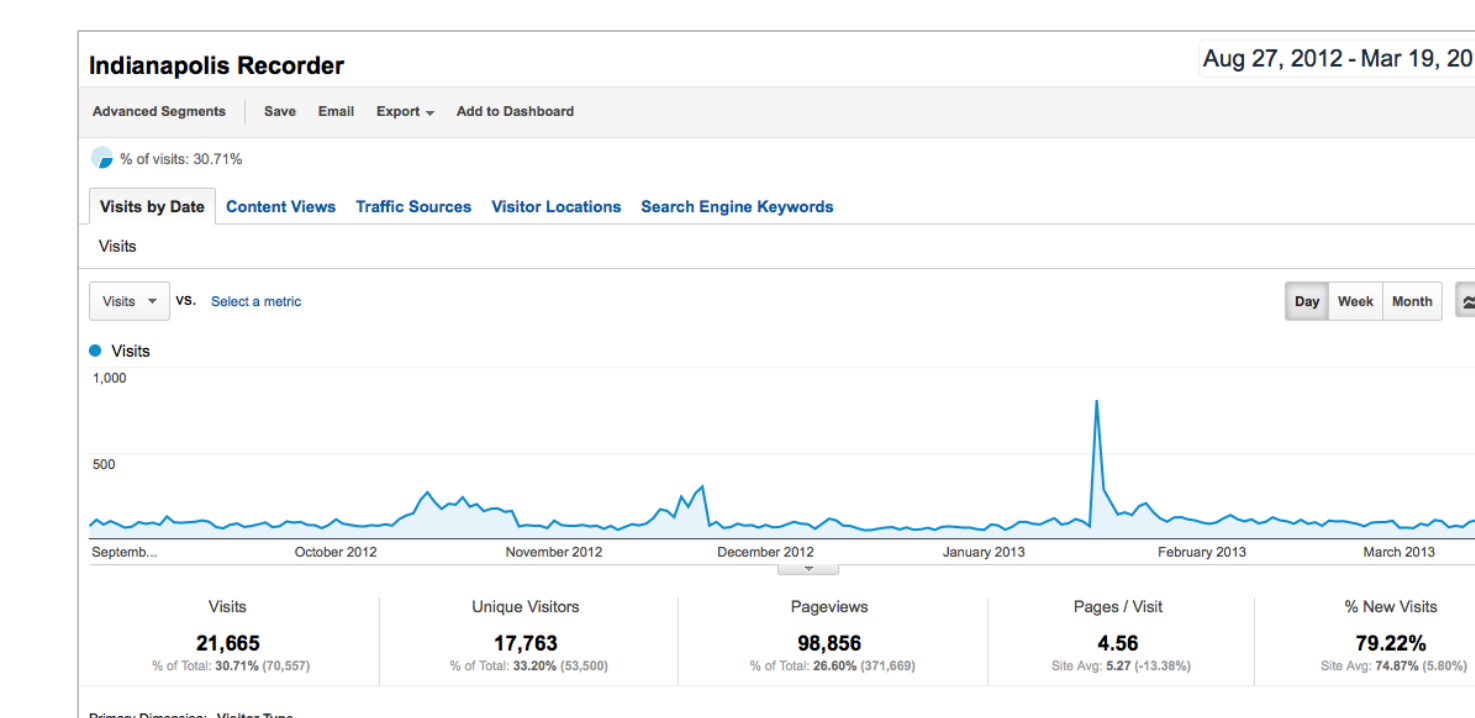
PRESERVE



ACCESS



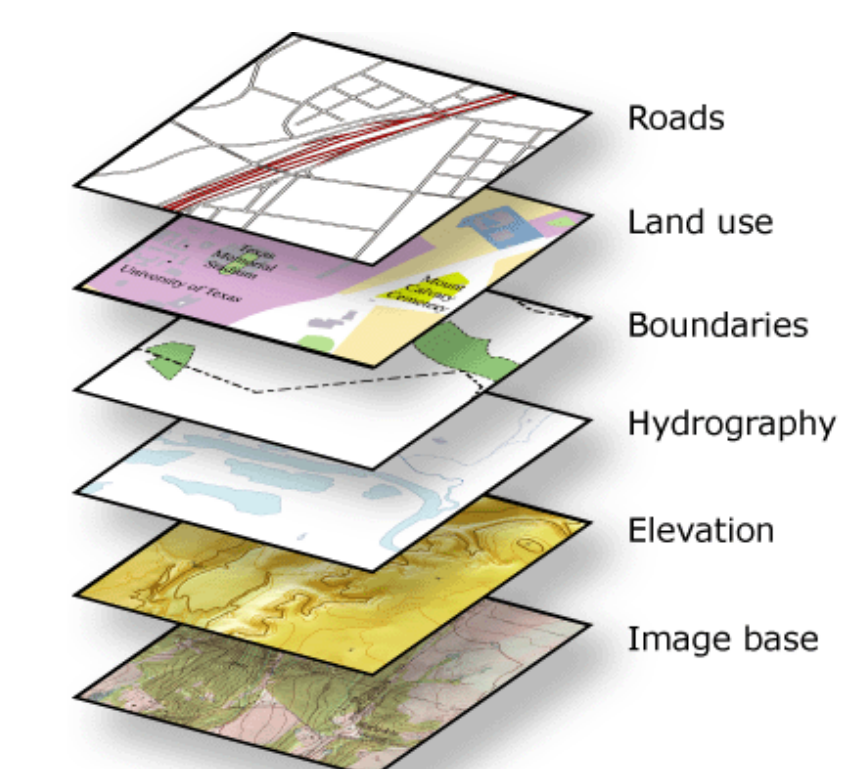
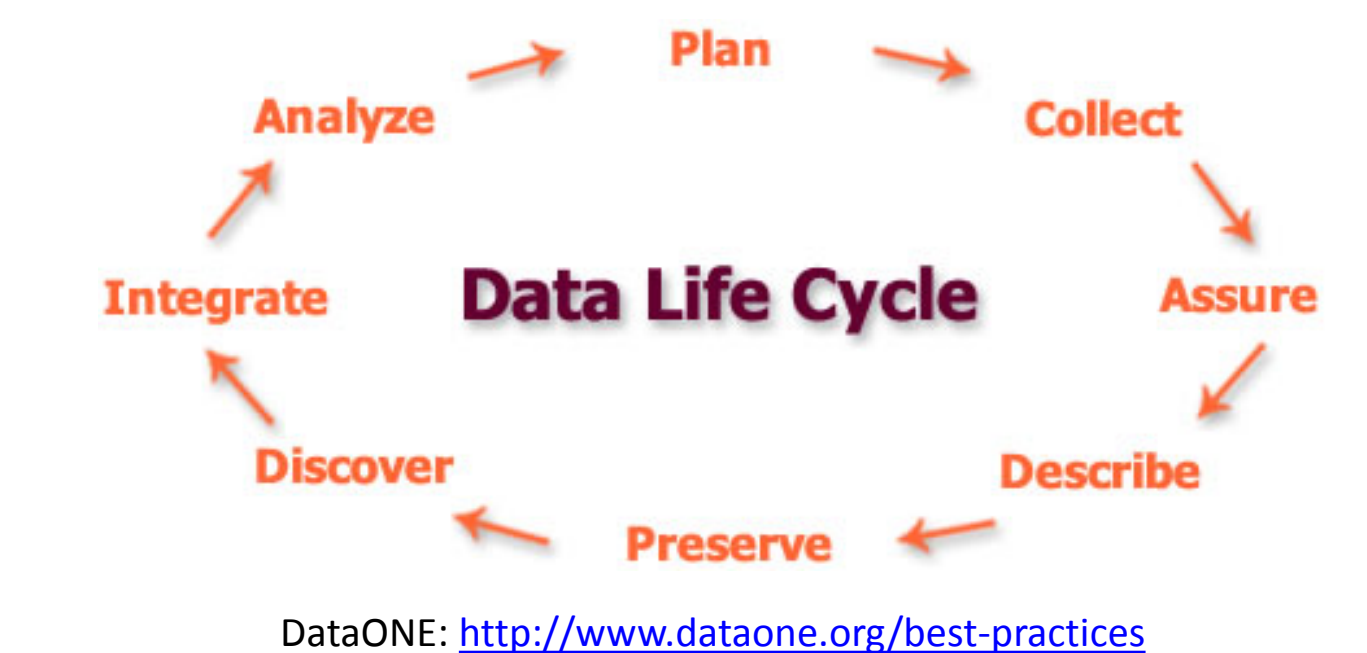
MEASURE



MANAGE DATA

Good data management practices are crucial throughout the data life cycle for production of high quality data. Poor data management often results in lost data, incomplete or invalid data, confusion, and wasted time and resources spent trying to resolve problems. Well managed data facilitates data sharing, re-use, and advancement of a field. Examples of high-impact, well managed datasets include those resulting from the Human Genome Project, Sloan Digital Sky Survey, FEC Campaign Expenditures, and the US Census. These data provide crucial information for researchers, industry innovation, businesses, and consumers.

The Data Services Program offers workshops, consultations, and resources to keep researchers informed about tools and services available at IUPUI, best practices, and emerging research technologies. During the proposal development phase, we assist in developing and refining data management plans. At project startup, we support implementation of a robust backup and storage plan. During project wrap-up and writing phases, we provide data description, preservation and curation. The Program also keeps researchers informed about data management and sharing policies from federal funding agencies and publishers to facilitate institutional compliance.



Source: http://webhelp.esri.com/arcgisdesktop/9.3/published_images/Layers_fundamentals.gif

OUR COLLECTIONS



45 digital libraries reflecting and archiving the cultural heritage of central Indiana, including:

- Indianapolis Recorder
- James Whitcomb Riley Collection
- Climate Data: Indianapolis, IN 1940-present
- Indianapolis Motor Speedway Collection

2,671 works of scholarship by IUPUI faculty, staff and students, including:

- 2,067 articles, presentations and reports
- 604 theses and dissertations

6 open-access, peer-reviewed titles, including:

- Advances in Social Work
- Indiana Libraries

SHARE RESEARCH

IUPUIScholarWorks is a digital repository service that collects, preserves, and distributes scholarship: peer reviewed, published articles; preprints; theses; dissertations; conference papers; presentations and other resources created by IUPUI authors.

When a faculty member or student uses IUPUIScholarWorks to make a published article or other item open for all to download and read, community access to knowledge increases while the author's reputation expands. In ScholarWorks items are available from a stable link, discovered by academic search engines, and preserved for the future. Use ScholarWorks to: increase citations to your articles, show that people download and read your work, build your "impact" narrative for graduate school, promotion and tenure, grants, and employers.

Impact: How It Works

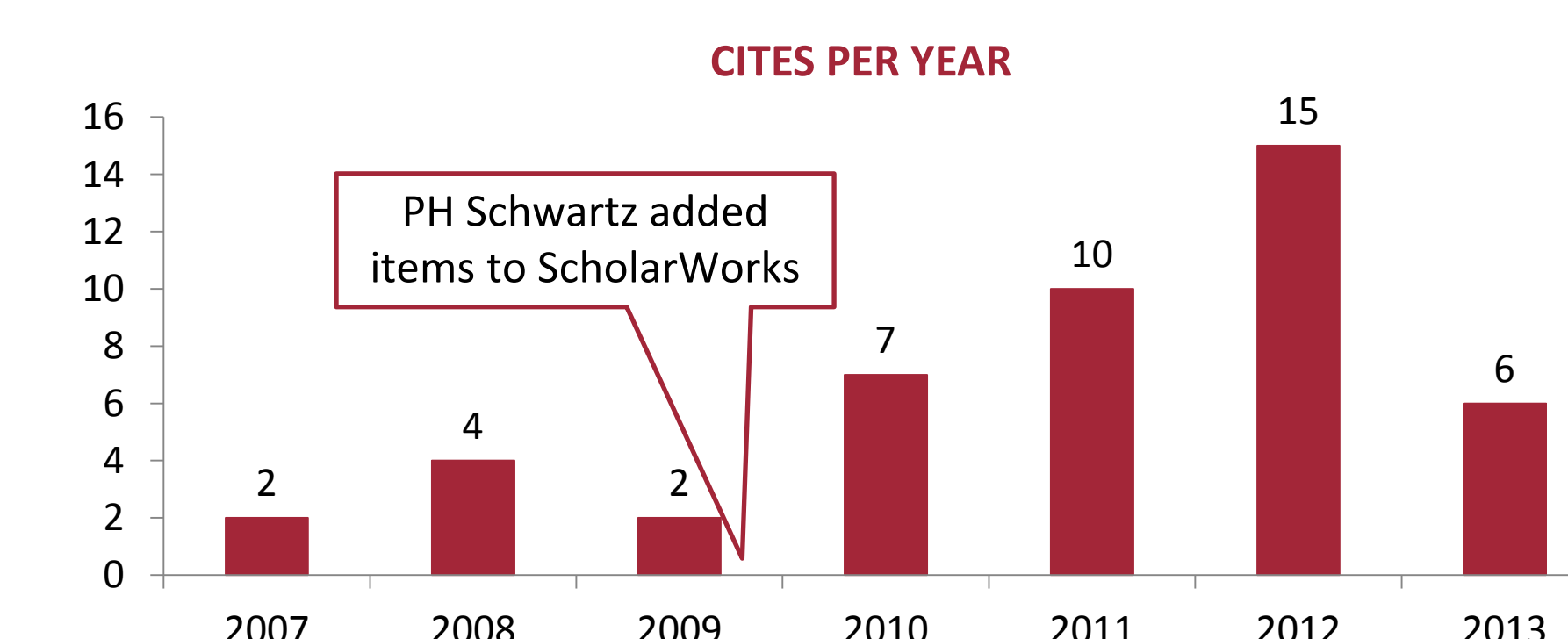
Peter H. Schwartz, MD, PhD
Assistant Professor of Philosophy
Assistant Professor of Medicine



Faculty profile page links to ScholarWorks items: <http://bioethics.iu.edu/schwartz>

Items in ScholarWorks: **8**

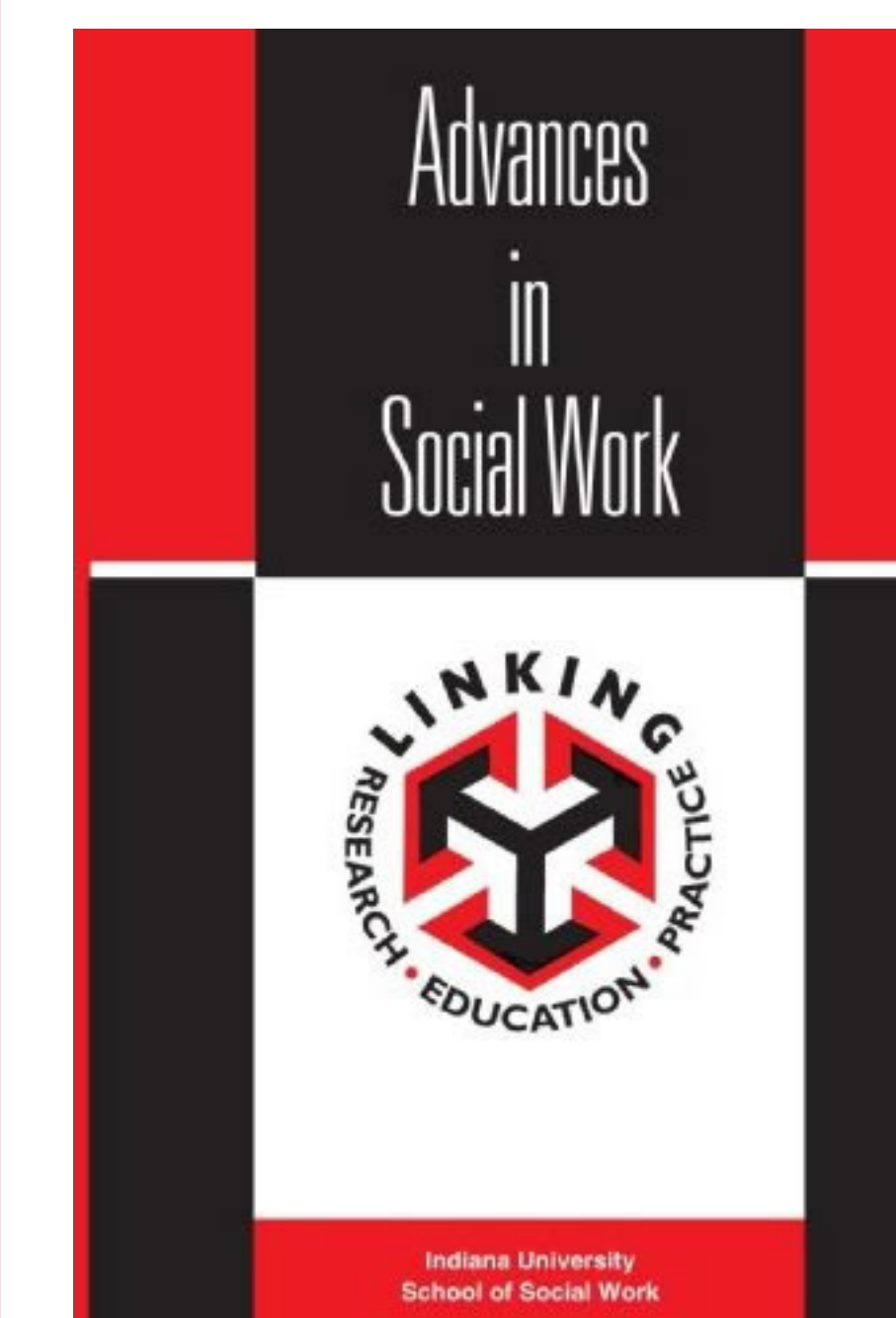
2,036 downloads (Jan 1, 2010 to the present)



PUBLISH JOURNALS

The Center for Digital Scholarship serves faculty, students and staff who want to publish a scholarly journal. In "Journals @ IUPUI" we host a robust publishing platform, Open Journal System (OJS). The system assists with every stage of the peer reviewed publishing process. OJS facilitates efforts to improve both the scholarly and public quality of refereed research by increasing accessibility and lessening the time between submission and final publication. Journals at IUPUI is viable both for print journals looking for an online option/conversion or aspiring digital journals.

- Hosted at IUPUI.
- Editors configure requirements, sections, review process, etc.
- Online submission and management of all content.
- Subscription module with delayed open access options.
- Comprehensive indexing of content is a part of global system.
- Reading tools for content based on field and editors' choice.
- Email notification and commenting ability for readers.
- Complete context-sensitive online help support.
- Customizable look allowing for branding of your journal.



"The Open Journals System has greatly helped me keep track of submissions, facilitating a relatively quick turnaround of peer reviews for which several authors have expressed appreciation. The free, open, online access to published issues has undoubtedly contributed to a growth in the number of our registered users (and reviewers) and in an increase in the rate of manuscript submissions."

-- Bill Barton, Editor
Advances in Social Work

OPEN ACCESS

By creating open access resources for scholarship and learning, the Center for Digital Scholarship maximizes the impact of knowledge produced at IUPUI. Open Access ensures that our communities can benefit from the cultural, historical and scientific knowledge produced by our university. Faculty, staff, students and community groups have collaborated with the Center to build and share:

- the cultural heritage of central Indiana,
- published works of faculty, staff, and student scholarship,
- data management plans for award proposals and research projects,
- journals published at IUPUI.



LEARN MORE

Jere Odell | jdodell@iupui.edu
Scholarly Communications Librarian

Jenny Johnson | jennajoh@iupui.edu
Digital Scholarship Outreach Librarian

Heather Coates | hcoates@iupui.edu
Digital Scholarship and Data Management Librarian

Kristi L. Palmer | klpalmer@iupui.edu
Digital Scholarship Team Leader

<http://www.ulib.iupui.edu/digitalscholarship>